

ASPHALT PAVING

A student who has completed Job Corps' Asphalt Paving program is trained and ready to work in this field. To complete a trade, the student must learn the academic and vocational skills required for graduation. Job Corps students also learn good work and personal habits, preparing them for life after Job Corps. To complete the Asphalt Paving program, a student must master skills in the following categories:

GENERAL

Identify and practice safety in paving trade. Describe background and history of operating engineer's craft. Describe the importance of daily preventive maintenance. Perform daily preventive maintenance. Identify and explain functions of common machine components. Identify and explain machine work patterns and cycle time.

ROAD ROLLER OPERATOR HOT MIX

Identify and explain functions of control levers, pedals, gauges, etc. Perform pre-start and shut-down procedures. Perform daily preventive maintenance. Demonstrate correct machine set-up. Understand and apply work patterns. Demonstrate correct parking procedure. Perform compaction rolling process and perform finish rolling process.

MOTOR GRADER OPERATION

Explain and perform pre-start and shut-down procedures. Explain control functions and perform coordinated control operation. Follow work patterns and operate machine safely. Maintain haul roads and fill areas. Cut and shape simple ditches. Cut and fill to grade specifications. Cut finish grade to blue top stake grade for sub-base paving.

LOADER OPERATION

Explain and perform pre-start and shut-down procedures. Explain control functions and perform coordinated control operation. Load bucket and build stockpile. Load hauling units with stockpiled material. Cut excavations and spread spoil material. Maintain smooth work area and operate loader smoothly. Cut and spread material to grade specifications for sub-base paving.

PAVING MACHINE OPERATOR

Identify and demonstrate safe asphalt paver operations. Identify and explain functions of control levers, pedals, gauges, etc., and perform coordinated control operation. Perform pre-start and shut-down procedures. Demonstrate correct machine set-up. Understand and apply work patterns. Perform asphalt paving process.

